Solving Multi-Step Equations:

$3x - 5 = 22$ To get the x by itself, you will need to get rid of the 5 and the 3.

$+5 \quad +5$ Get rid of addition and subtraction first. ***Use the opposite order of PEMDAS***

$\frac{3x}{3} = \frac{27}{3}$ Then, we get rid of multiplication and division.

$x = 9$

We check the answer by putting it back in the original equation:

Check:

$3x - 5 = 22$ We have that $x = 9$

$3(9) - 5 = 22$

$27 - 5 = 22$

$22 = 22$ (It checks!)

Solve the Multi-Step Equations and check:

1) $9x - 11 = -38$ Check:	2) $160 = 7x + 6$ Check:
3) $32 - 6x = 53$ Check:	4) $\frac{3}{4}x - 11 = 16$ Check: $\frac{3}{4}x - 11 = 16$
5) $4x - 7 = -23$ Check:	6) $12x + 9 = -15$ Check:
7) $21 - 4x = 45$ Check:	8) $\frac{x}{7} - 4 = 4$ Check:
9) $\frac{-x}{5} + 3 = 7$ Check:	10) $26 = 60 - 2x$ Check: